

Seychelle[®]

EVIDENCE DOSSIER

PFOA + PFOS Reduction Testing 2020 (ALS)

ALS ENVIRONMENTAL

Client: Bioclenze
Project: NA
Sample Matrix: Water

Service Request No.: K1607027
Date Received: 06/24/16

Case Narrative

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier I data deliverables. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Four water samples were received for analysis at ALS Environmental on 06/24/16. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

Perfluorinated Alkyl Acids by EPA Method 537

Surrogate Exceptions:

The upper control criterion was exceeded for Perfluoro-n-[1,2,3,4-13C4] octanoic acid and Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate in sample Site 2B due to suspected matrix interferences. Assuming the native analyte performed similar to the labeled analog, the effects on the reported results are minimal. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

Approved by _____





Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Bioclenze
Project: PFOA/PFOS
Sample Matrix: Water
Sample Name: Site 1A
Lab Code: K1607027-001

Service Request: K1607027
Date Collected: 06/23/16 13:00
Date Received: 06/24/16 09:50

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	1.8	1	07/09/16 10:33	6/30/16	
Perfluorooctane Sulfonate	ND U	4.5	1	07/09/16 10:33	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	87	13 - 142	07/09/16 10:33	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	77	11 - 131	07/09/16 10:33	

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Analytical Report

Client: Bioclenze
Project: PFOA/PFOS
Sample Matrix: Water
Sample Name: Site 1B
Lab Code: K1607027-002

Service Request: K1607027
Date Collected: 06/23/16 13:00
Date Received: 06/24/16 09:50

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	1.9	1.8	1	07/09/16 10:51	6/30/16	
Perfluorooctane Sulfonate	4.9	4.5	1	07/09/16 10:51	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	82	13 - 142	07/09/16 10:51	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	80	11 - 131	07/09/16 10:51	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Bioclenze
Project: PFOA/PFOS
Sample Matrix: Water
Sample Name: Site 2A
Lab Code: K1607027-003

Service Request: K1607027
Date Collected: 06/23/16 13:00
Date Received: 06/24/16 09:50

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	2.3	1.9	1	07/09/16 11:09	6/30/16	
Perfluorooctane Sulfonate	5.4	4.6	1	07/09/16 11:09	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	82	13 - 142	07/09/16 11:09	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	77	11 - 131	07/09/16 11:09	

ALS Group USA, Corp.
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Analytical Report

Client: Bioclenze
Project: PFOA/PFOS
Sample Matrix: Water
Sample Name: Site 2B
Lab Code: K1607027-004

Service Request: K1607027
Date Collected: 06/23/16 13:00
Date Received: 06/24/16 09:50

Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	1.8	1	07/22/16 14:38	6/30/16	
Perfluorooctane Sulfonate	ND U	4.5	1	07/22/16 14:38	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	178	13 - 142	07/22/16 14:38	*
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	161	11 - 131	07/22/16 14:38	*

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Bioclenze
Project: PFOA/PFOS
Sample Matrix: Water
Sample Name: Method Blank
Lab Code: KQ1607238-04

Service Request: K1607027
Date Collected: NA
Date Received: NA
Units: ng/L
Basis: NA

Perfluorinated Sulfonic Acids and Perfluorinated Carboxylic Acids by HPLC/MS

Analysis Method: PFC/537M
Prep Method: EPA 3535A

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Perfluorooctanoic Acid	ND U	2.0	1	07/09/16 09:57	6/30/16	
Perfluorooctane Sulfonate	ND U	5.0	1	07/09/16 09:57	6/30/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Perfluoro-n-[1,2,3,4-13C4] octanoic acid	79	13 - 142	07/09/16 09:57	
Sodium perfluoro-1-[1,2,3,4-13C4] octanesulfonate	74	11 - 131	07/09/16 09:57	